

ABSTRACT

TOPIC: To findout the incidence of Developmental dysplasia of hip using ultrasonogram of hip among the infants attending paediatric opd at kilpauk medical college , chennai

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AIM: To findout the incidence of Developmental dysplasia of hip using ultrasonogram of hip among the infants attending paediatric opd at kilpauk medical college , chennai

1. Study group :

In our department babies who coming for vaccination at 6 – 8 weeks of age to paediatric department were evaluated for developmental dysplasia, with clinical history and using ultrasonogram of hip .In ultrasound examination

using Graf's technique alpha angle measurement and dynamic study using stress method done .If angle morethan 60 considered to be normal and less than 60 indicates developmental dysplasia of hip. Totally 110 term babies were took part in the study.

2. Study design :

Prospective cross sectional study

3.Methods :

The study was conducted in our department by using LOGIQ8 ultrasound machine.Study duration period was 8months.

RESULTS:

Out of 110 cases only one infant was screened positive for DDH.[both hip]

The Incidence of DDH in our study was 0.9%

The mean hip angle both right and left side was 64 ± 3 degree. Only one infant was screened (as positive) as DDH by USG which clinical examination failed to detect. This study supports that the USG imaging of hip is investigation of choice in infants.when doing USG hip whenever reduction in alpha angle is found we should think of DDH

Key words: DDH developmental dysplasia of hip,ultrasonogram,alpha angle